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IN THE UNITED STATES
PATENT AND TRADEMARK OFFICE

PATENT APPLICATION

Liwa Wang
Pengfei Zhu

Case 3-4

Serial No. 09/659879

Filed September 12, 2000

Examiner

Group Art Unit 2631

Title Apparatus And Method For Channel Estimation Used For Link Adaptation
With Error Feedback

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**ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, D. C. 20231**

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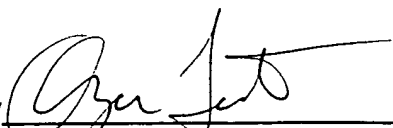
SIR:

ATTENTION: Patent Office Draftsperson

Transmitted herewith are five (5) sheet(s) of formal drawing(s) to be substituted for the informal drawing(s) initially filed in the above-identified application for patent.

In the event of any non-payment or improper payment of a required fee, the Assistant Commissioner is authorized to charge or to credit **Lucent Technologies Deposit Account No. 12-2325** as required to correct the error.

Respectfully,
Liwa Wang
Pengfei Zhu

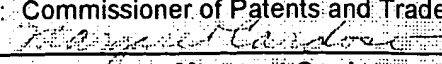
By 
Ozer M. N. Teitelbaum, Attorney
Reg. No. 36,698
973-386-8803

Att:

5 Sheet(s) formal drawing

Date: **March 6, 2002**

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I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, D. C. 20231 on **March 6, 2002**.

Margaret Cardoso